

Title (en)

ELECTRONIC HEALTH RECORD DATA BLOCKCHAIN SYSTEM AND PROCESS

Title (de)

BLOCKCHAIN-SYSTEM FÜR DATEN ELEKTRONISCHER GESUNDHEITSAKTEN UND VERFAHREN

Title (fr)

SYSTÈME ET PROCÉDÉ DE CHAÎNE DE BLOCS DE DONNÉES DE DOSSIER MÉDICAL ÉLECTRONIQUE

Publication

EP 3987527 A1 20220427 (EN)

Application

EP 20826835 A 20200619

Priority

- US 201962863637 P 20190619
- US 201962863655 P 20190619
- US 2020038731 W 20200619

Abstract (en)

[origin: US2020402624A1] An Electronic Health Record (EHR) data blockchain system configured to allow multiple entities (e.g., pharmacy industry entities that can act as data, service, product providers, and consumers) to connect to an EHR patient transaction blockchain (e.g., EHR-DATA-BC) and an EHR Data Patient Portal (e.g., EHR-Data-PP) to provide a centralized location for messages and subsequent edits to ensure uniform message data is presented. The EHR data blockchain system can include an EHR Data API, an EHR patient transaction blockchain API, and an EHR patient transaction blockchain. The EHR Data API can access and retrieve patient identifiable information (PII) and generate a non-patient-identifiable Single Purpose Patient ID (SPPID) for a particular patient. The EHR patient transaction blockchain API (e.g., EHR-DATA-BC-API) can store the SPPID, store particular, discrete data retrieved from the EHR for a patient, execute smart contracts, and control the execution of digital currency transfers, among other functions.

IPC 8 full level

G16H 10/60 (2018.01); **G16H 20/10** (2018.01); **G16H 50/70** (2018.01); **G16H 80/00** (2018.01)

CPC (source: EP KR US)

G06F 9/542 (2013.01 - KR); **G06Q 10/10** (2013.01 - EP KR); **G06Q 20/02** (2013.01 - EP KR); **G06Q 20/065** (2013.01 - KR); **G06Q 20/3678** (2013.01 - KR); **G06Q 20/383** (2013.01 - KR); **G06Q 20/385** (2013.01 - KR); **G06Q 30/0222** (2013.01 - EP KR); **G06Q 40/04** (2013.01 - EP KR); **G06Q 50/265** (2013.01 - EP KR); **G07F 11/10** (2013.01 - EP KR); **G16H 10/60** (2018.01 - EP KR US); **G16H 20/10** (2018.01 - EP KR US); **H04L 9/0637** (2013.01 - KR US); **H04L 9/3239** (2013.01 - EP KR); **H04L 9/50** (2022.05 - EP KR US); **H04L 63/0414** (2013.01 - EP); **H04L 63/0428** (2013.01 - EP); **H04L 67/12** (2013.01 - EP); **G06Q 10/10** (2013.01 - US); **G06Q 20/3678** (2013.01 - US); **G06Q 30/0222** (2013.01 - US); **G06Q 2220/00** (2013.01 - EP KR US); **H04L 2209/42** (2013.01 - EP KR); **H04L 2209/88** (2013.01 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2020402624 A1 20201224; AU 2020298301 A1 20220120; BR 112021025446 A2 20220426; BR 112021025483 A2 20220308; CA 3142834 A1 20201224; CN 114303205 A 20220408; CN 114730620 A 20220708; EP 3987527 A1 20220427; EP 3987527 A4 20230816; EP 3987528 A1 20220427; EP 3987528 A4 20230816; JP 2022537204 A 20220824; JP 2022538392 A 20220902; JP 7253865 B2 20230407; JP 7265043 B2 20230425; KR 20220018024 A 20220214; KR 20220024436 A 20220303; US 11923052 B2 20240305; US 2020402629 A1 20201224; US 2024203548 A1 20240620; WO 2020257647 A1 20201224

DOCDB simple family (application)

US 202016906946 A 20200619; AU 2020298301 A 20200619; BR 112021025446 A 20200619; BR 112021025483 A 20200619; CA 3142834 A 20200619; CN 202080058193 A 20200619; CN 202080058792 A 20200619; EP 20826835 A 20200619; EP 20827549 A 20200619; JP 2021575237 A 20200619; JP 2021575323 A 20200619; KR 20227000495 A 20200619; KR 20227000498 A 20200619; US 2020038731 W 20200619; US 202016906710 A 20200619; US 202418595305 A 20240304